

66291 / 170-2

08/952,995

Applicant(s):

Mats LEIJON et al

Filing Date:

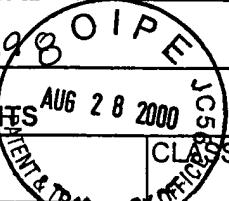
3/26/1998

Group Art Unit:

2834

U.S. PATENT DOCUMENTS

AUG 28 2000



EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
CE	1 US1304451	5/20/19	L. H. Burnham			
	2 US1418856	6/2/22	Robert B. Williamson			
	3 US1481585	1/22/24	James Robert Beard			
	4 US1728915	9/24/29	E. P. Blankenship et al			
	5 US1742985	1/7/30	L. H. Burnham			
	6 US1747507	2/18/30	Robert B. George			
	7 US1756672	4/29/30	John M. Barr			
	8 US1762775	6/10/30	Albert G. Ganz			
	9 US1781308	11/11/30	Mauritz Vos			
	10 US1861182	5/31/32	F. Hendey et al			
	11 US1974406	9/25/34	Vincent G. Apple et al			
	12 US2006170	6/25/35	Gustof A. Juhlin			
	13 US2206856	7/2/40	W. E. Shearer			
	14 US2217430	10/8/40	R. A. Baudry			
	15 US2241832	5/13/41	H.W. Wahlquist			
	16 US2251291	8/5/41	L. O. Reichelt			
	17 US2256897	9/23/41	W. F. Davidson et al			
	18 US2295415	9/8/42	G.R. Monroe			
	19 US2415652	2/11/47	R. B. Norton			
	20 US2424443	7/22/47	B. C. Evans			
	21 US2436306	2/17/48	J. S. Johnson			
	22 US2446999	8/17/48	G. Camilli			
	23 US2459322	1/18/49	G. T. Johnston			
	24 US2462651	2/22/49	H. W. Lord			
	25 US2498238	2/21/50	L. J. Berberich et al			
	26 US2721905	10/25/55	D. J. Monroe			
	27 US2780771	2/5/57	B. Lee			
	28 US2846599	8/5/58	H. H. McAdam			
	29 US2885581	5/5/59	P. T. Pileggi			
	30 US2943242	6/28/60	E. Schaschl et al			
	31 US2947957	8/2/60	J. C. Spindler			
	32 US2959699	11/8/60	J. W. Smith et al			
	33 US2962679	11/29/60	J. L. Stratton			
	34 US2975309	3/14/61	M. Seidner			
	35 US3098893	7/23/63	R. A. Pringle et al			
	36 US3130335	4/21/64	L. J. Reida			
	37 US3143269	8/4/64	J. Van Eldik			
	38 US3157806	11/17/64	E. Wiedemann			
	39 US3158770	11/24/64	A. D. Goggeshall et al			
	40 US3268766	8/23/66	S. E. Amos			
	41 US3304599	2/21/67	R. W/ Nordin			
	42 US3364331	11/21/67	H. L. Broeker et al			
	43 US3365657	1/23/68	James Webb			
CE	44 US3372283	5/5/68	A. A. Jaecklin			

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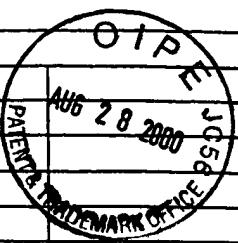
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O I P E



45	US3418530	11/24/68	W. H. Cheever
46	US3435262	3/25/69	R. B. Bennett et al
47	US3437858	4/8/69	R. B. White
48	US3444407	5/13/69	E.S. Yates
49	US3447002	5/27/69	C. Ronnevig
50	US3484690	12/16/69	H. Wald
51	US3560777	2/2/71	W. Moeller
52	US3593123	7/13/71	A. C. Williamson
53	US3631519	12/28/71	H. Salahshourian
54	US3644662	2/22/72	H. Salahshourian
55	US3651402	3/21/72	P. H. Leffmann
56	US3670192	6/13/72	A. A. Andersson et al
57	US3675056	7/4/72	H. G. Lenz
58	US3684821	8/15/72	M. Miyauchi et al
59	US3716652	2/13/73	G. E. Lusk et al
60	US3716719	2/13/73	H. W. Angelery et al
61	US3727085	4/10/73	P. B. Goetz et al
62	US3740600	6/19/73	B. Turley
63	US3746954	7/17/73	A. Myles et al
64	US3758699	9/11/73	G. Lusk et al
65	US3778891	12/18/73	R. Amasino et al
66	US3781739	12/25/73	L. Meyer
67	US3792399	2/17/74	W. McLyman
68	US3801843	4/2/74	J. Corman et al
69	US3809933	5/7/74	H. Sugawara et al
70	US3881647	5/6/75	B. Wolfe
71	US3884154	5/20/75	F. Marten
72	US3891880	6/24/75	H. Britsch
73	US3902000	8/26/75	E. Forsyth et al
74	US3932779	1/13/76	A. Madsen
75	US3932791	1/13/76	J. Oswald
76	US3943392	3/9/76	J. Keuper et al
77	US3947278	3/30/76	K. Youtsey
78	US3965408	6/22/76	H. Higuchi et al
79	US3968388	7/6/76	D. Lambrecht et al
80	US3971543	7/27/76	W. Shanahan
81	US3974314	8/10/76	H. Fuchs
82	US3995785	12/7/76	R. Arick et al
83	US4001616	1/4/77	P. Lenseth et al
84	US4008409	2/15/77	R. Rhudy et al
85	US4031310	6/21/77	L. Jachimowicz
86	US4039740	8/2/77	Z. Iwata
87	US4041431	8/9/77	G. Enoksen
88	US4047138	9/6/77	R. Steigerwald
89	US4064419	12/20/77	R. Peterson
90	US4084307	4/18/78	G. Schultz et al
91	US4085347	4/18/78	K. Lichius
92	US4088953	5/9/78	S. Sarian
93	US4091138	5/23/78	Takagi et al
94	US4091139	5/23/78	J. Quirk
95	US4099227	7/4/78	J. Liptak

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ALTERNATE FORM PTO-1449
 (Corrected Listing of Original List)

<i>CEZ</i>	96	US4103075	7/25/78	E. Adam			
	97	US4106069	8/8/78	J. Trautner et al			
	98	US4107092	8/15/78	R. Gammehan et al			
	99	US4109098	8/22/78	M. Olsson et al			
	100	US4121148	10/17/78	H. Platzer			
	101	US4134036	1/9/79	G. Curtiss			
	102	US4134055	1/9/79	M. Akamatsu			
	103	US4134146	1/9/79	E. Stetson			
	104	US4149101	4/10/79	A. Lesokhin et al			
	105	US4152615	5/1/79	R. Calfo et al			
	106	US4160193	7/3/79	A. Richmond			
	107	US4164672	8/14/79	C. Flick			
	108	US4164772	8/14/79	N. Hingorani			
	109	US4177397	12/4/79	John Lill			
	110	US4177418	12/4/79	K. Brueckner et al			
	111	US4184186	1/15/80	P. Barkan			
	112	US4200817	4/29/80	T. Bratolijic			
	113	US4200818	4/29/80	C. Ruffing et al			
	114	US4206434	6/3/80	A. Hase			
	115	US4207427	6/10/80	G. Beretta et al			
	116	US4207482	6/10/80	C. Neumeyer et al			
	117	US4208597	6/17/80	A. Mulach et al			
	118	US4229721	10/21/80	W. Koloczek et al			
	119	US4238339	12/9/80	G. Khutoretsky et al			
	120	US4239999	12/16/80	A. Vinokurov et al			
	121	US4245182	1/13/81	H. Aotsu et al			
	122	US4246694	1/27/81	H-G Raschbichler et al			
	123	US4255684	3/10/81	W. Mischler et al			
	124	US4258280	3/24/81	M. Starcevic			
	125	US4262209	4/14/81	C. Berner			
	126	US4274027	6/16/81	S. Higuchi et al			
	127	US4281264	7/28/81	T. Keim et al			
<i>CEZ</i>	128	US4307311	12/22/81	A. Grozinger			
	129	US4308476	12/29/81	R. Schuler			
	130	US4308575	12/29/81	A. Mase			
	131	US4310966	1/19/82	O. Brietenbach			
	132	US4317001	2/23/82	D. Silver et al			
	133	US4320645	3/23/82	L. Stanley			
	134	US4321518	3/23/82	M. Akamatsu			
	135	US4330726	5/18/82	D. Albright et al			
	136	US4337922	7/6/82	M. Streiff et al			
	137	US4341989	7/27/82	T. Sandberg et al			
	138	US4347449	8/31/82	J. F. Beau			
	139	US4347454	8/31/82	K. Gellert et al			
	140	US4363612	9/12/82	R. Meyers <i>Walchhutter</i>			
	141	US4357542	11/2/82	H. Kirschbaum			
	142	US4360748	11/23/82	H-G Raschbichler et al			
	143	US4367425	1/4/83	M. Mendelsohn et al			
	144	US4368418	1/11/83	F. P. Demello et al			
<i>CEZ</i>	145	US4369389	1/18/83	D. Lambrecht			
	146	US4371745	2/1/83	M. Sakashita			

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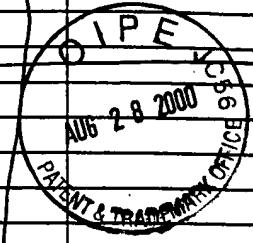
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ALTERNATE FORM PTO-1449
 (Corrected Listing of Original List)

CEZ	147	US4387316	6/7/83	J. Katsekas			
	148	US4403163	9/6/83	Rammerding et al			
	149	US4404486	9/13/83	T. Keim et al			
	150	US4411710	10/25/83	M. Mochizuki et al			
	151	US4421284	12/20/83	A. Pan			
	152	US4425521	1/10/84	G. Rosenberry, Jr. et al			
	153	US4426771	1/24/84	D. Wang et al			
	154	US4429244	1/31/84	P. Nikiten et al			
	155	US4431960	2/14/84	O. Zucker			
	156	US4443725	4/17/84	S. Derderian et al			
	157	US4470884	9/11/84	D. Carr			
	158	US4473765	9/25/84	T. Butman, Jr. et al			
	159	US4475075	10/2/84	R. Munn			
	160	US4477690	10/16/84	P. Nikitin et al			
	161	US4481438	11/6/84	T. Keim			
	162	US4488079	12/11/84	G. Dailey et al			
	163	US4503284	3/5/95	M. Minnick et al			
	164	US4510077	4/9/85	R. Elton			
	165	US4517471	5/14/85	K. Sachs			
	166	US4523249	6/11/85	S. Arimoto			
	167	US4538131	8/27/85	M. Baier et al			
	168	US4546210	10/8/85	Y. Akiba et al			
	169	US4551780	11/5/85	M. Canay			
	170	US4557038	12/10/85	M. Wcislo et al			
	171	US4560896	12/24/85	G. Vogt et al			
	172	US4565929	1/21/86	J. Baskin et al			
	173	US4588916	5/13/86	R. Lis			
	174	US4590416	5/20/86	M. Porche et al			
	175	US4594630	6/10/86	M. Rabinowitz et al			
	176	US4607183	8/19/86	J. Rieber et al			
	177	US4615109	10/7/86	M. Wcislo et al			
	178	US4618795	10/21/86	G. Cooper et al			
	179	US4619040	10/28/86	D. Wang et al			
	180	US4633109	12/30/86	J. Feigel			
	181	US4650924	3/17/87	J. Kauffman et al			
	182	US4656379	4/7/87	F. McCarty			
	183	US4677328	6/30/87	K. Kumakura			
	184	US4687882	8/18/87	G. Stone et al			
	185	US4692731	9/8/87	H. Osinga			
	186	US4723104	2/22/88	F. Rohatyn			
	187	US4737704	4/12/88	S. Kalinnikov et al			
	188	US4745314	5/17/88	J. Nakano			
	189	US4766365	8/23/88	L. Bolduc et al			
	190	US4785138	11/15/88	O. Brietenbach et al			
	191	US4795933	1/3/89	K. Sakai			
	192	US4827172	5/2/89	K. Kobayashi			
	193	US4845308	7/4/89	E. Womack, Jr. et al			
	194	US4847747	7/11/89	A. Abbondanti			
	195	US4855565	8/1/89	R. Elton et al			
CEZ	196	US4859810	8/22/89	R. Cloetens et al			
	197	US4860430	8/29/89	H. Raschbichler et al			

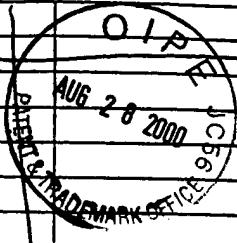
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198	US4864266	9/5/89	L. Feather et al			
199	US4883230	11/28/89	L. Lindstrom			
200	US4894284	1/16/90	S. Yamanouchi et al			
201	US4914386	4/3/90	S. Zocholl			
202	US4918347	4/17/90	Y. Takaba			
203	US4918835	4/24/90	H. Weislo et al <i>Rasch-bichler et al.</i>			
204	US4924342	5/8/90	R. Lee			
205	US4926079	5/15/90	P. Niemela et al			
206	US4942326	7/17/90	J. Butler, III et al			
207	US4949001	8/14/90	S. Campbell			
208	US4994952	2/19/91	D. Silva et al			
209	US4997995	3/5/91	M. Simmons et al			
210	US5012125	4/30/91	D. Conway			
211	US5036165	7/30/91	R. Elton et al			
212	US5036238	7/30/91	M. Tajima			
213	US5066081	11/19/91	R. Elton et al			
214	US5067048	11/19/91	R. Elton et al			
215	US5083360	1/28/92	M. Valencic et al			
216	US5086246	2/4/92	J. Dymond et al			
217	US5094703	3/10/92	M. Takaoka et al			
218	US5097241	3/17/92	E. Smith et al			
219	US5097591	3/24/92	M. Wcislo et al			
220	US5111095	5/5/92	J. Hendershot			
221	US5124607	6/23/92	J. Rieber et al			
222	US5136459	8/4/92	D. Fararooy			
223	US5140290	8/18/92	H. Dersch			
224	US5153460	10/6/92	L. Bovino et al			
225	US5168662	12/8/92	K. Nakamura et al			
226	US5187428	2/16/93	R. Hutchison et al			
227	US5235488	8/10/93	S. Koch			
228	US5246783	9/21/93	L. Spenadel et al			
229	US5264778	11/23/93	D. Kimmel et al			
230	US5304883	4/19/93	J. Denk			
231	US5305961	4/26/93	A. Errard et al			
232	US5321308	6/14/93	A. Johncock			
233	US5323330	6/21/93	G. Asplund et al			
234	US5325008	6/28/94	J. Grant			
235	US5327637	7/12/94	O. Britenbach et al			
236	US5341281	8/23/94	G. Skibinski			
237	US5343139	8/30/94	L. Gyugyi et al			
238	US5355046	10/11/94	K. Weigelt			
239	US5365132	11/15/94	J. Hann et al			
240	US5387890	2/7/95	P. Estop et al			
241	US5397513	3/14/95	C. Steketee, Jr.			
242	US5400005	3/21/95	H. Bobry			
243	US5452170	9/19/95	S. Ohde et al			
244	US5468916	11/21/95	M. Litenas et al			
245	US5500632	3/19/96	J. Halser, III			
246	US5510942	4/23/96	L. Bock et al			
247	US5530307	6/25/96	G. Horst			
248	US5545853	8/13/96	N. Hildreth			

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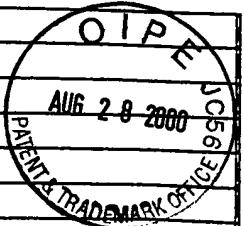
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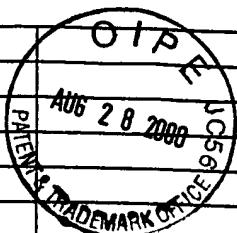
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CEZ	249	US5550410	8/27/96	C. Titus		
	250	US5583387	12/10/96	M. Takeuchi et al		
	251	US5587126	12/24/96	C. Steketee, Jr.		
	252	US5598137	1/28/97	F. Alber et al		
	253	US5607320	3/4/97	J. Wright		
	254	US5612510	3/18/97	N. Hildreth		
	255	US5663605	9/2/97	P. Evans et al		
	256	US5672926	9/30/97	J. Brandes et al		
	257	US5689223	11/18/97	A Demarmels et al		
	258	US5807447	9/15/98	I. Forrest		
CEZ	259	US681800	9/3/01	O. Lasche		
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FOREIGN PATENT DOCUMENTS

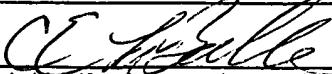
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	5	CH539328	7/4/73	Switzerland	
	6	CH657482	8/29/86	Switzerland	
	7	DD137164	8/15/79	Germany DDR	
	8	DD138840	11/21/79	Germany DDR	
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	11	DE2050674	5/19/71	Germany	
	12	DE2155371	5/17/73	Germany	
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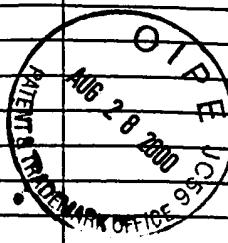
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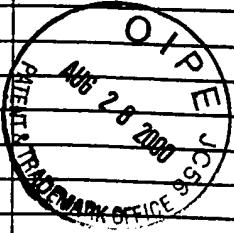
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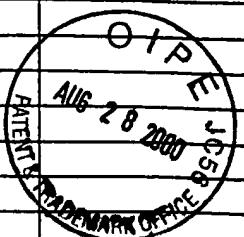
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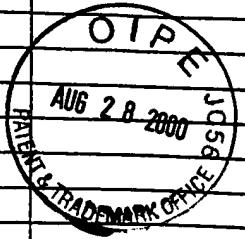
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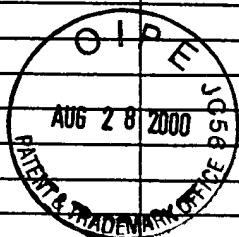
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	4	OD004	High Voltage Cables in a New Class of Generators Powerformer; M. Leijon et al; 6/14/99; pp1-8.
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	6	OD006	Submersible Motors and Wet-Rotor Motors for Centrifugal Pumps Submerged in the Fluid Handled; K.. Bienick, KSB; 2/25/88; pp9-17
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	8	OD008	Eine neue Type von Unterwassermotoren; Electrotechnik und Maschinenbam, 49; 8/1931; pp2-3
	9	OD009	Problems in design of the 110-500kV high-voltage generators; Nikiti et al; World Electrotechnical Congress; 6/21-27/77; Section 1. Paper #18
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CEZ	11	OD011	Hydroalternators of 110 to 220 kV Elektrotechn. Obz., Vol. 64, No. 3, pp132-136 March 1975; A. Abramov

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CEP	12	OD012	Design Concepts for an Amorphous Metal Distribution Transformer; E. Boyd et al; IEEE 11/84
	13	OD013	Neue Wege zum Bau zweipoliger Turbogeneratoren bis 2 GVA, 60kV Elektrotechnik und Maschinenbau Wien Janner 1972, Heft 1, Seite 1 –11; G. Aichholzer
	14	OD014	Optimizing designs of water-resistant magnet wire; V. Kuzenev et al; Elektrotehnika, Vol 59, No 12, pp35-40, 1988
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	34	OD035	Fully slotless turbogenerators; E. Spooner; Proc., IEEE Vol 120 #12, 12/1973
	35	OD036	Toroidal winding geometry for high voltage superconducting alternators; J. Kirtley et al; MIT – Elec. Power Sys. Engrg. Lab for IEEE PES; 2/1974
	36	OD037	High-Voltage Stator Winding Development; D. Albright et al; Proj. Report EL339, Project 1716, April 1984
	37	OD038	POWERFORMER™: A giant step in power plant engineering; Owman et al; CIGRE 1998, Paper 11:1.1
	38	OD039	Thin Type DC/DC Converter using a coreless wire transformer; K. Onda et al; Proc. IEEE Power Electronics Spec. Conf.; 6/1994, pp330-334
CEP	39	OD040	Development of extruded polymer insulated superconducting cable; 1/1992
	40	OD041	Transformer core losses; B. Richardson; Proc. IEEE 5/1986, pp365-368

Examiner

CEP Balle

Date

Considered

10/10/00

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP0 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALTERNATE FORM PTO-1449
(Corrected Listing of Original List)

<i>CE</i>	41	OD042	Cloth-transformer with divided windings and tension annealed amorphous wire; T. Yammamoto et al; IEEE Translation Journal on Magnetics in Japan Vol 4, No. 9 Sept 1989
<i>CE</i>	42	OD043	A study of equipment sizes and constraints for a unified power flow controller; J Bian et al; IEEE 1996
Subtotal	43		

GRAND	671		
TOTAL			



Examiner <i>CE T. Salle</i>	Date Considered <i>10/10/00</i>
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP0 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

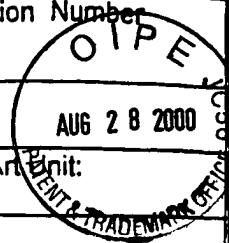
Issue 2: dated 02/21/00

Applicant(s):

AUG 28 2000

Filing Date:

Group Art Unit:



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
CEZ	1 US 4,292,558	9/29/1981	Carl Flick et al			
CEZ	2 US 4,656,316	4/7/1987	Hans-Juergen Meltsch	1	1	
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Examiner <i>CE J. Balle</i>	Date Considered <i>10/10/00</i>
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEPO 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to	

FOREIGN PATENT DOCUMENTS					TRANSLATION NO.
	DOCUMENT NUMBER	DATE	COUNTRY	AUG 28 2000 JC56	
CEZ	1	GB 1,319,257	6/6/1973	Anders R. Andersson et al	
	2	GB 1,322,433	7/4/1973	Siemens Akstengesellschaft	
	3	GB 2,070,341	9/3/1981	Hans-Georg Raschbichler et al	
	4	WO 98/20598	5/14/1998	Jan-Anders Karlfeldtsgatan et al	
	5	WO 98/20602	5/14/1998	Soren Berggren	
	6	WO 98/34239	8/6/1998	Gunnar Steneorpsgalan et al	
	7	WO 99/28922	6/10/1999	Thorsten Schutte et al	
	8	WO 99/29005	6/10/1999	Mats Leijon et al	
	9	WO 99/29023	6/10/1999	Peter Carstensen et al	
	10	WO 99/29025	6/10/1999	Mats Leijon et al	
CEZ	11	EP 0056580 A1	7/28/1982	Jacobus F.H. Van der Vegt	
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Examiner	<i>CEZ Ball</i>	Date Considered	<i>10/10/00</i>
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEPO 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to			